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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification	on of Transmittal of International xamination Report (Form PCT/IPEA/416)	
15280-4742PC	151 151 155		Priority date (day/month/year)	
International application No. International filing date (d		nun/yeur)	THOTHY date (majimolina jemi)	
PCT/US03/28889 12 September 2003 (12.09)	12 September 2002 (12.09.2002)	
International Patent Classification (IPC)	or national classification and IPC		·	
IPC(7): A61K 9/14, 9/16, 31/33 and US	Cl.: 424/489, 490; 514/183		<u> </u>	
Applicant				
THE GOVERNMENT OF THE UNITE HEALTH AND	THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND			
This international preliming	nary examination report has be	en prepared by	this International Preliminary	
Examining Authority and	is transmitted to the applicant	according to A	rucie 30.	
2. This REPORT consists of	a total of 3 sheets, including	this cover she	et.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
		o ine Adm	misuative misu uctions under the PC1).	
These annexes consist of a total of sheets.				
3. This report contains indications relating to the following items:				
I Basis of the rep	oort		I	
II Priority	· · · · · · · · · · · · · · · · · · ·			
III Non-establishm	III Non-establishment of report with regard to novelty, inventive step and industrial applicability		e step and industrial applicability	
IV Lack of unity of	IV Lack of unity of invention		;	
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects in the international application				
VIII Certain observations on the international application				
Date of submission of the demand	Dat	e of completion	of this report	
09 April 2004 (09.04.2004)	29)	Yovember 2004 (1:	
Name and mailing address of the IPEA/US		hopized officer	SHARON HOWARD	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		H	SHARON HOWARD	
P.O. Box 1450	1 1/	7		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Téle	ephone No. (571) 272-1600	

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International appropriation No.
PCT/US03/28889

I.	Basi	s of the report
		regard to the elements of the international application:*
-	\boxtimes	the international application as originally filed.
	図	the description:
		pages 1-19 as originally filed
		pages NONE, filed with the demand pages NONE, filed with the letter of
	\bowtie	the claims:
		pages 20-22 , as originally filed pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	\boxtimes	the drawings:
		pages 1-8 , as originally filed
		pages NONE, filed with the demand pages NONE, filed with the letter of
	لــا	the sequence listing part of the description: pages NONE, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	Wit	th regard to the language, all the elements marked above were available or furnished to this Authority in the
:	lang The	guage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3.	Wit inte	th regard to any nucleotide and/or amino acid sequence disclosed in the international application, the rnational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
_		the drawings, sheets/ fig NONE This count has been considered to go the amendments had not been made, since they have been considered to go
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** The supplemental Box (Rule 70.2(c)).**
th	us rep	acement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in nort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



International appears on No PCT/US03/28889

V. Reasoned statement under Rule 66.2(a)(ii) citations and explanations supporting such	with regar	ed to novelty, inventive step or industrial applic	ability;
STATEMENT			:
	Claima	1.20	YES
Novelty (N)		1-30 NONE	NO NO
	Claims	NONE	
d. (TO)	Claims	NONE	YES
Inventive Step (IS)		1-30	NO
	Claims	1.30	
Industrial Applicability (IA)	Claims	1-30	YES
		NONE	NO
			<u> </u>
Morozov teaches pharmaceutical compositions for intreference teaches Mycobacterium tuberculosis (see of the reference does not particularly teach an average However, absent a showing in the criticality of the probvious to one of ordinary skill in the art to use the treating capreomycin which is known in the pharmaceutical treating bacterial infections.	tranasal admi ol. 8, lines 5 particle size. articular part teachings of t maceutical ar 33(4), and th		27-63). The ald have been composition would be

Form PCT/IPEA/409 (Box V) (July 1998)



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NOTE OF INFORMAL COMMUNICATION WITH THE APPLICANT

(PCT Rule 66.6) Date of informal communication Applicant's or agent's file reference International application No. (day/month/year) 15 November 2004 (15.11.2004) 15280-4742PC PCT/US03/28889 THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND personally authorization Identity **Participants** known checked checked Communication THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE Applicant: by telephone SECRETARY OF THE DEPARTMENT OF HEALTH AND personal Agent: Examiner(s): Sharon Howard Summary of communication: The attorney informed the examiner to skip the PCT/IPEA 408 and to complete the PCT/IPEA/409. An extension of time limit is granted (Form PCT/IPEA/427.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US

A copy of this note is being sent to the applicant with Form PCT/IPEA/429.

Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Telephone No. (571) 272-1600

Form PCT/IPEA/428 (July 1992)

Rec'd PCT/PTC 1 0 MAR 2005 PCT/US2003/028889

PCT REQUEST

Original (for SUBMISSION) - printed on 12.09.2003 03:07:43 PM

15280-4742PC

VIII-4-1 Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

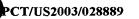
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

VIII-4-1 Prior applications:



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		I hereby acknowledge the duty to
		disclose information that is known by me
		to be material to patentability as
		defined by 37 C.F.R. § 1.56, including
		for continuation-in-part applications,
		material information which became
		available between the filing date of the
		prior application and the PCT
		international filing date of the
		continuation-in-part application.
		I hereby declare that all statements
	1	•
		made herein of my own knowledge are true
		and that all statements made on
		information and belief are believed to
		be true; and further that these
		statements were made with the knowledge
		that willful false statements and the
		like so made are punishable by fine or
		imprisonment, or both, under Section
		1001 of Title 18 of the United States
		Code and that such willful false
		statements may jeopardize the validity
		of the application or any patent issued
		thereon.
VIII-4-1	Name:	KRAUS, Carl, N.
-1-1		
VIII-4-1 -1-2	Residence: (city and either US State, if applicable,	Gaithersburg, Maryland
-1-2	or country)	
VIII-4-1	Mailing address:	408 Ridgepoint Place
-1-3 VIII-4-1	Citizenship:	l ma
-1-4	Cideoffship.	US
VIII-4-1		
-1-5	(if not contained in the request, or if declaration is corrected or added under	
	Rule 26ter after the filing of the	
	international application. The signature must be that of the inventor, not that of	
	the agent)	
VIII-4-1	Date:	
-1-6	(of signature which is not contained in the request, or of the declaration that is	
	corrected or added under Rule 26ter	
	after the filing of the International	
	application)	<u> </u>



PCT REQUEST

15280-4742PC

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VIII-4-1	Name:	BARRY, Clifton, E.
VIII-4-1 -2-2	Residence: (city and either US State, if applicable, or country)	Rockville, Maryland
VIII-4-1 -2-3	Mailing address:	200 Congressional Lane
VIII-4-1 -2-4	Citizenship:	បន
VIII-4-1 -2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1 -2-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	
VIII-4-1 -3-1	Name:	DOAN, Bernardan, T.
VIII-4-1 -3-2	Residence: (city and either US State, if applicable, or country)	Falls Church, Virginia
VIII-4-1 -3-3	Mailing address:	7757 Marshall Heights Court
VIII-4-1 -3-4	Citizenship:	us
VIII-4-1 -3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	·
VIII-4-1 -3-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	